

ABSTRACT OF THE DISCLOSURE

A method for denitrification of water, in which the water to be denitrified is made to flow over a porous carrier which comprises a transition metal, preferably palladium, used in an amount between 0.01 and 5% by weight on the carrier and on which denitrifying bacterial strains capable of surviving in the presence of hydrogen are made to adhere, and in which hydrogen is used as a reducing agent and the pH of the reaction is adjusted to values of 4.5 to 7.8 preferably by using carbon dioxide.